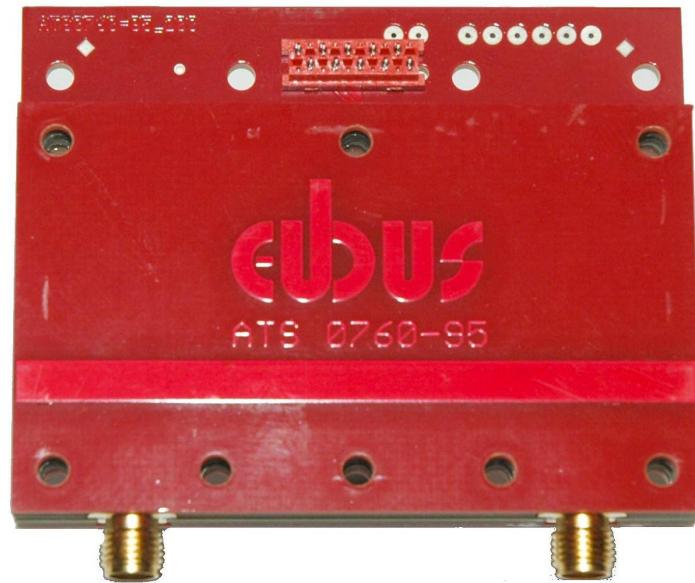eubus gmbh
148, Theresienst.
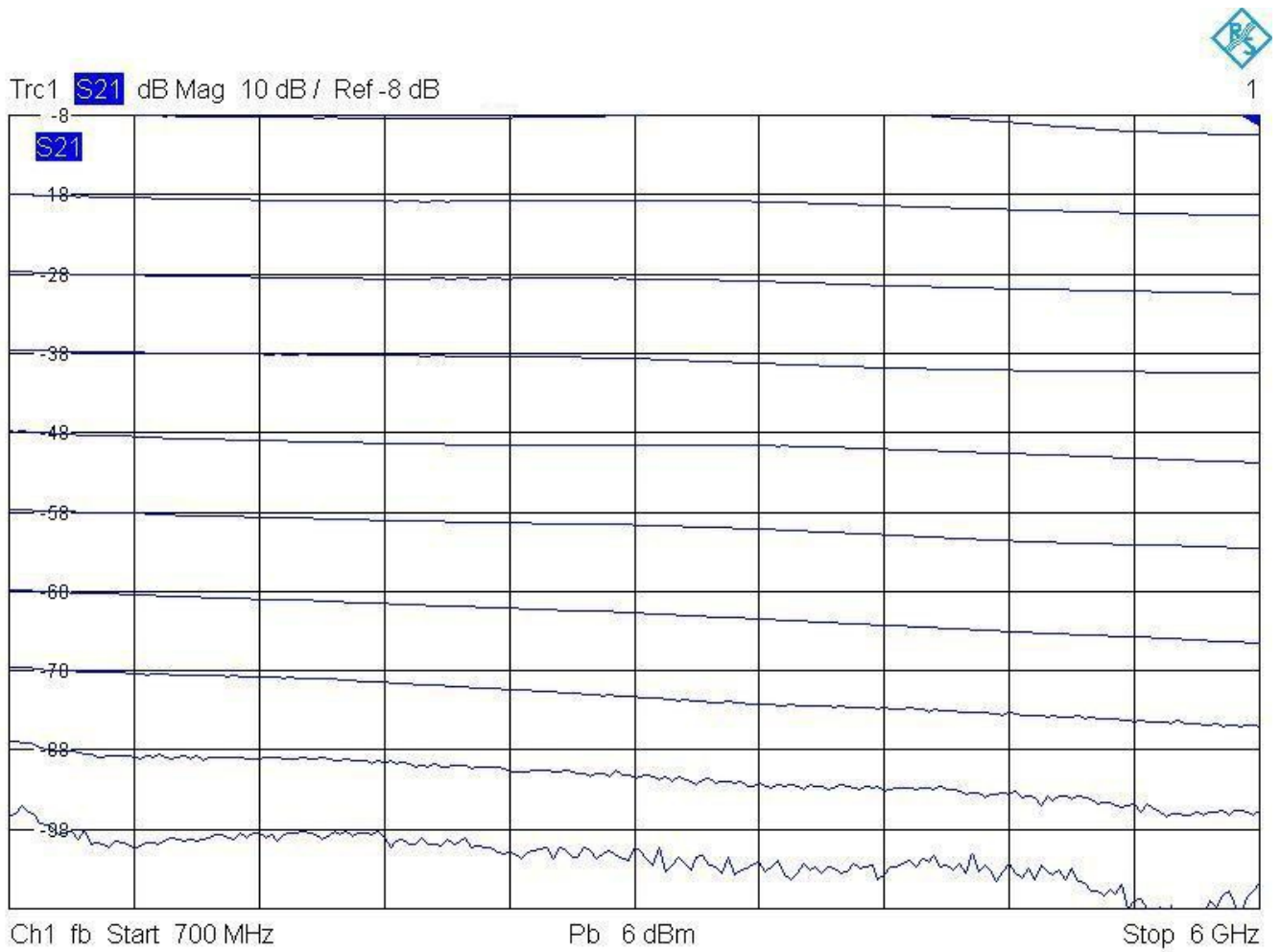D-80333 Munich
Germany

www.eubus.net

ATS0760-95
700 -6000 MHz.
Solid State Programmable Attenuator

Digital control by parallel 8-bit TTL/CMOS 5V interface of RF-attenuation in 0.5 dB increments from 0 to 95 dB (above insertion loss) in the frequency range of 0.7…f…6 GHz.

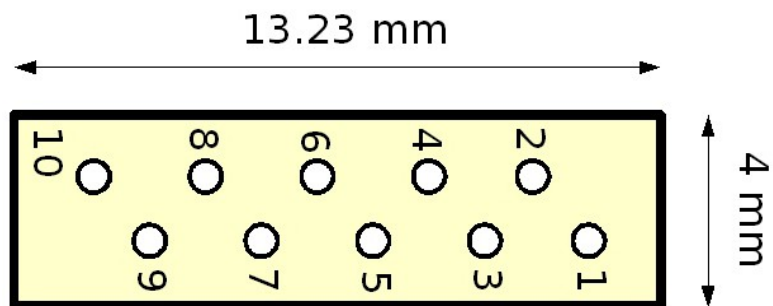|	
Part-No.	ATS0760-95
Impedance:	50 Ohm
Frequency Range:	700…f…6000 MHz
Attenuation Range:	0…α…95.5 dB*
Attenuation Steps:	0.5; 1; 2; 4; 8; 16 and 32 dB
Attenuation Accuracy:	1…α…15 dB +/- 1dB *
	α > 16 dB +/- 1.5 dB or 4% *
	* above insertion loss
Insertion loss:	8 dB nom, 10 dB max.
max. VSWR:	2 : 1
max. input power:	+20 dBm
delay:	600 psec. nom.
RF-connectors:	IEC60169-15 (SMA [f])
Digital interface:	parallel 8 bit TTL
Power supply:	+5 V D.C.
max. supply current:	20 mA
size (without RF-connectors):	68 x 55 x 11 mm [2.68 x 2.16 x .433"]
mass:	56 g
operating temperature range:	0°C…θ…+70°C.

Typical forward transmission [S21]

for 0; 10; 20; 30; 40; 50; 60; 70; 80; 90 dB setting of the attenuator.

Mounting:

distances between outer 3.1 mm[.122"] mounting holes: 60 x 34 mm [3.36 x 1.34 "]

Digital Control

D.C.Connector (Micromatch 10 Pin [f]):

Pin #	Function
1	-1dB @ +5V
2	-2dB @ +5V
3	-4dB @ +5V
4	-8dB @ +5V
5	-16dB @ +5V
6	-32dB @ +5V
7	-32dB @ +5V
8	-0.5 dB @ +5V Int. 47K pull-down-resistor
9	+5V Vcc (DC)
10	Ground